

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project ID	Equipment Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO040358	ACI001-VC	3	1	Net 30	M6061T6S.250X6.250	6061-T651 Sheet 0.250"			6	6/13/2018	6	S090358	Stock	7/10/2018	\$ 11.34 / ft	0	0	\$68.01	Aacier Ouellette Inc.	
		4	1/5			: MATERIAL: 6061-T6/T651/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4/1284/115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft														
		5	1/5		M6061T6S.250	6061-T6 Sheet 1/250" : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf			32		32	S090359	Stock	7/10/2018	\$ 15.22 / sf	0	0	\$487.16	Aacier Ouellette Inc.	
		6	1/6		M304S20GA	304/316 .040 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf			256		256	S090402	Stock	7/10/2018	\$ 4.96 / sf	0	0	\$1,269.87	Aacier Ouellette Inc.	
		7	1/7		M304S18GA	304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf			192		192	S090403	Stock	7/10/2018	\$ 6.24 / sf	0	0	\$1,198.45	Aacier Ouellette Inc.	
		8	1/8		M304R0.375	304 Round Bar 0.375" : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft			24		24	S090360	Stock	7/10/2018	\$ 1.19 / ft	0	0	\$28.60	Aacier Ouellette Inc.	
		9	1/9		M303R0.750	303 Round Bar 0.750" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft			96		96	S090361	Stock	7/10/2018	\$ 5.14 / ft	0	0	\$493.06	Aacier Ouellette Inc.	
		10	1/10		M303R0.250	303 Round Bar 0.250" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE			36		36	S090362	Stock	7/10/2018	\$ 0.59 / ft	0	0	\$21.10	Aacier Ouellette Inc.	

PO No	Supplier Item No	Line Item No	Rel Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Past Days	Past Due	Total	Supplier Name
		11		M303R1.000	303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft				12			S090363	Stock	7/10/2018	\$ 8.70 / ft	0		\$104.43	Aacier Ouellette Inc.	
		12		M303R1.375	M303R1.375 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft				13			S090364	Stock	7/10/2018	\$ 18.99 / ft	0		\$237.38	Aacier Ouellette Inc.	
		13		M6061T6R0.625	6061-T6 Round Bar .625*** : MATERIAL: 6061-T6/7651/76510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				100		100		S090365	Stock	7/10/2018	\$ 1.25 / ft	0		\$124.89	Aacier Ouellette Inc.
		14		M6061T6R1.625	6061-T6 Round Bar 1.625 : MATERIAL: 6061-T6/7651/76510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				12			S090366	Stock	7/10/2018	\$ 13.10 / ft	0		\$157.25	Aacier Ouellette Inc.	
		15		M6061T6R2.375	6061-T6 Round Bar 2.375*** : MATERIAL: 6061-T6/7651/76510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				12			S090367	Stock	7/10/2018	\$ 24.44 / ft	0		\$293.28	Aacier Ouellette Inc.	
		16		M6061T6R0.750	6061-T6 Round Bar .750*** : MATERIAL: 6061-T6/7651/76510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				80			S090368	Stock	7/10/2018	\$ 1.55 / ft	0		\$123.83	Aacier Ouellette Inc.	

Print



ACIER OUELETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl.: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl.: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

ZZZ60003

DELIVERY - CLIENT

Product Description	Qty	Weight	UM	PCS NB				Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C	OUT
PALLET 8 X 4' X 8' ** CERTIFICATE **			1.00	UN							
LINE#6 Heat : 697E <i>A</i>											
5 SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425	403.20	192.00	PI2_ \$CLB								
PALLET 6 X 4' X 8' ** CERTIFICATE **			1.00	UN							
LINE#7, Heat : 088E <i>A</i>											
6 ROUND SS 3/8 304 (R) RSS-38 5768 2 X 12' R/L ** CERTIFICATE **	9.02	24.00	PI_ \$CLB								
LINE#8, Heat : 1711164 <i>A</i>											
7 ROUND SS 3/4 303 (R) RSS-34303 5761 8 X 12' R/L ** CERTIFICATE **	144.19	96.00	PI_ \$CLB								
LINE#9, Heat : 51049 <i>A</i>											
8 ROUND SS 1/4 303 (R) RSS-14303 5739 3 X 12' R/L ** CERTIFICATE **	6.01	36.00	PI_ \$CLB								
LINE#10, Heat : 101621 <i>A</i>											
AC17779-MM-2018-07-03											
9 ROUND SS 1 303 (R) RSS-1303 8519 1 X 12' R/L ** CERTIFICATE **	32.04	12.00	PI_ \$CLB								
LINE#11, Heat : 620M <i>A</i>											
AC17779-MM-2018-07-03											
10 ROUND SS 1 3/8 303 NS RSS-138303 11307 1 X 12' R/L ** CERTIFICATE **	60.59	12.00	PI_ \$CLB								
LINE# 12, Heat : 721P <i>A</i>											

Product Description	Qty	Weight	UM	PCS NB				Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C	OUT
AC17781-TH-2018-07-05											
11 ROUND ALU 5/8 6061-T6 * RAL-58 5169 5 X 20' ** CERTIFICATE **	36.10	100.00	PI_\$CLB								
<i>LINE#13, Heat: 180221101A</i>				5X 20'	1X12'						
12 ROUND ALU 1 5/8 6061-T6 * RAL-158 5138 1 X 12' ** CERTIFICATE **	29.23	12.00	PI_\$CLB								
<i>LINE#14, Heat: 201801246</i>											
AC17781-TH-2018-07-05											
13 ROUND ALU 2 3/8 6061-T6 NS RAL-238 10133 1 X 12' ** CERTIFICATE **	62.40	12.00	PI_\$CLB								
<i>LINE#15, Heat: 201807529</i>				1X12'							
AC17781-TH-2018-07-05											
14 ROUND ALU 3/4 6061-T6 * RAL-34 5157 4 X 20' ** CERTIFICATE **	41.84	80.00	PI_\$CLB								
<i>LINE#16, Heat: 68706</i>											
AC17781-TH-2018-07-05											
15 ROUND ALU 9/16 6061-T6 * RAL-916 5180 7 X 12' ** CERTIFICATE **	24.61	84.00	PI_\$CLB								
<i>LINE#17, Heat: 01M170823B, 03E170530A</i>											
AC17781-TH-2018-07-05											
16 FLAT ALU 1 X 4 6061-T6 * FAL-14 2532 2 X 20' ** CERTIFICATE **	192.00	40.00	PI_\$CLB								
<i>LINE#18, Heat: 3B7163</i>											
AC17781-TH-2018-07-05											
17 FLAT ALU 1 X 2 6061-T6 * FAL-12 2497 1 X 12' ** CERTIFICATE **	28.80	12.00	PI_\$CLB								
AC17781-TH-2018-07-05											

DELIVERY - CLIENT

CO009777

Product Description		Qty	Weight	UM	PCS NB			Internal Use Only				
					CMD	EXP	B/O	IN	I	S	C	OUT
LINE#19, Heat SXF171892	H											
18 FLAT ALU 1 X 6 6061-T6*		422.94	60.00	PI_\$CLB								
FAL-16	2536											
5 X 12' ** CERTIFICATE **												
LINE#20, Heat :41096-047	H											
AC-17793-YR-2018-07-03												
19 FLAT ALU 2 X 2 1/2 6061-T6 RANDOM NS		70.49	12.00	PI_\$CLB								
FAL-2212	8770											
1 X 12' ** CERTIFICATE **												
LINE#21, Heat :5470742	H											
AC17783-YR-2018-07-03												

Total Weight (Lbs) : 2 133.10

NIR : R-109516-6

Conditions :

All sold and delivered materials remain the property of "Aciel Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Aciel Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Aciel Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By : 	Verified By : 	Delivered By : 	Time				
				Y	M	D	
							Date
Customer's Signature							



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040358

E-MAILED
JUN 28 2018

Supplier:	ACI001-VC Acer Ouellette Inc. 935 Boul. Du Havre Valleyfield QC J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696	PO No:	PO040358
		PO Date:	6/28/18
		Due Date:	7/5/18
		Purchase Order Revision:	
		Revision Date:	
		Ship-To Contact:	Lavoie, Chantal Phone: clavoie@dartaero.com
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	Via:	Ground
		Pymt Terms:	Net 30
		Freight Terms:	
		Special Comments:	quotation no sou0116430

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		MT-4140-S-0.500X10.000		AISI 4140 Steel Sheet/Plate : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC	Firmed	7/13/18	8 ft	0 ft	8 ft	\$51.8175/ft	\$414.54
2		MT-4140-S-1.750X12.000		AISI 4140 Steel Sheet/Plate MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395	Firmed	7/13/18	6 ft	0 ft	6 ft	\$186.85/ft	\$1,121.10
3		M6061T6S.250X6.250		6061-T651 Sheet 0.250" Thick Plate x 6.250" Wide : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/5/18	6 ft	✓ 0 ft	6 ft	\$11.335/ft	\$68.01

Line Item Note saw cut included in price

Items											
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4		M6061T6S0.750X06.500		6061T6 Sheet 0.750 X 6.500 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/5/18	6 ft	0 ft	6 ft	\$36.20833/ft	\$217.25
5		M6061T6S.250		6061T6 Sheet .250 : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	7/5/18	32 sf	0 sf	32 sf	\$15.22375/sf	\$487.16
6		M304S20GA		304/316 .040 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	7/5/18	256 sf	0 sf	256 sf	\$4.9604296/sf	\$1,269.87
7		M304S18GA		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	7/5/18	192 sf	0 sf	192 sf	\$6.2419479/sf	\$1,198.45
8		M304R0.375		304 Round Bar 0.375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	7/5/18	24 ft	0 ft	24 ft	\$1.191666/ft	\$28.60
9		M303R0.750		303 Round Bar 0.750 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	7/5/18	96 ft	0 ft	96 ft	\$5.1360416/ft	\$493.06
10		M303R0.250		303 Round Bar 0.250" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE	Firmed	7/5/18	36 ft	0 ft	36 ft	\$0.58611/ft	\$21.10
11		M303R1.000		303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$8.7025/ft	\$104.43

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
12		M303R1.375		M303R1.375 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$18.99/ft	\$227.88
13		M6061T6R0.625		6061-T6 Round Bar .625" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	100 ft	0 ft	100 ft	\$1.2489/ft	\$124.89
14		M6061T6R1.625		6061-T6 Round Bar 1.625 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$13.104166/ft	\$157.25
15		M6061T6R2.375		6061-T6 Round Bar 2.375" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$24.44/ft	\$293.28
16		M6061T6R0.750		6061-T6 Round Bar .750" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	80 ft	0 ft	80 ft	\$1.547875/ft	\$123.83

Items											
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
17		M6061T6R0.563		6061-T6 Round Bar .563 MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	80 ft	0 ft	80 ft	\$1.18375/ft	\$94.70
18		M6061T6B1.000X04.000		6061-T6 Bar 1.00 X 4.00 MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	36 ft	0 ft	36 ft	\$16.234761/ft	\$584.45
19		M6061T6B1.000X02.000		6061-T6 Bar 1.00 X 2.00 MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$7.1025/ft	\$85.23
20		M6061T6B1.000X06.000		6061T6 Bar 1.00 X 6.00 MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	60 ft	0 ft	60 ft	\$20.861666/ft	\$1,251.70
21		M6061T6B2.000X2.500		6061T6 Bar 2.000 X 2.500 MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$24.416666/ft	\$293.00

Grand Total: \$8,659.79

Order Notes

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 part notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.



Plex 6/28/18 2:54 PM *dart.lavoie.chantal*


ACIER OUELLETTE INC.

935, Boul. du Hâvre
 Salaberry de Valleyfield (Québec) J6S 5L1
 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation
SOU0116430
Billed to

DART AEROSPACE LTD
 1270 , ABERDEEN ST.
 HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N°	CLI0001056
Date	2018/06/26
Revision N°	0
Prices valid until	2018/07/03
Your Order N°	
Processed by	Eric Kaehlert
Salesman	ERIC
Carrier	OUELLE SDV
Credit Terms	Net 30 Days
Page	1

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
PLATE 4140 HEAT TREAT 1/2 NS P4140-12H 8509 1 PC 10" X 96" 8-10 DAYS	136.20	6.67	PI2	6.67	UN	\$62.15			414.54
PLATE 4140 HEAT TREAT 5/8 NS P4140-58H 8669 1 PC 1-1/8" X 96" 8-10 DAYS	19.13	0.75	PI2	0.75	UN	\$253.97			190.48
PLATE 4140 HEAT TREAT 3/4 NS P4140-34H 8198 1 PC 2-1/2" X 96" 8-10 DAYS	53.44	1.67	PI2	1.67	UN	\$145.95			243.74
PLATE 4140 HEAT TREAT 1 3/4 NS P4140-134H 8507 1 PC 12" X 72" 8-10 DAYS	428.82	6.00	PI2	6.00	UN	\$186.85			1 121.10
ALU PLATE 1/4 6061-T651 RANDOM PAL-146061-V 4245 SAW CUT SCIE 1 1 X 6-1/4" X 72" 2-3 DAYS	12.44	3.40	PI2	3.40	PI2	\$15.59			53.01
ALU PLATE 3/4 6061-T651 RANDOM PAL-346061-V 4280 SAW CUT SCIE 1 1 X 6-1/2" X 72" 2-3 DAYS	38.16	3.52	PI2	3.52	PI2	\$56.04			197.25
ALU PLATE 1/4 6061-T651 (4 X 8) PAL-14486061 4242 PALLET EMB 11 1 X 4' X 8' STOCK	117.12	32.00	PI2	1.00	UN	\$487.16			487.16
SHEET SS 20G SS304-2B (4 X 8) FESS-20G483042B 3430	401.92	256.00	PI2	8.00	UN	\$158.73			1 269.87

Date :

Next Page...



ACIER OUELLETTE INC.

935, Boul. du Hâvre
 Salaberry de Valleyfield (Québec) J6S 5L1
 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0116430

Billed to

DART AEROSPACE LTD
 1270 , ABERDEEN ST.
 HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N°	CLI0001056
Date	2018/06/26
Revision N°	0
Prices valid until	2018/07/03
Your Order N°	
Processed by	Eric Kaehlert
Salesman	ERIC
Carrier	OUELLE SDV
Credit Terms	Net 30 Days
Page	2

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
PALLET EMB 11 8 X 4' X 8' STOCK		1.00	UN	1.00		0.00			0.00
SHEET SS 18G SS304-2B (4 X 8') FESS-18G483042B 3425	403.20	192.00	PI2_\$CLB	6.00	UN	198.88			1 193.27
PALLET EMB 11 6 X 4' X 8' STOCK		1.00	UN	1.00		0.00			0.00
ROUND SS 3/8 304 (R) RSS-38 5768 2 X 12' R/L STOCK	9.02	24.00	PI_\$CLB	24.00	PI	1.19			28.60
FLAT SS 5/8 X 3 SS304 NS FSS-583 9221 REGRET, NO STOCK AVAILABLE	0.00	0.00	PI_\$CLB	0.00	PI	0.00			0.00
ROUND SS 3/4 303 (R) RSS-34303 5761 8 X 12' R/L STOCK	144.19	96.00	PI_\$CLB	96.00	PI	5.14			493.06
ROUND SS 1/4 303 (R) RSS-14303 5739 3 X 12' R/L 2-3 DAYS	6.01	36.00	PI_\$CLB	36.00	PI	0.59			21.10
ROUND SS 1 303 (R) RSS-1303 8519 1 X 12' R/L STOCK	32.04	12.00	PI_\$CLB	12.00	UN_\$UN	8.70			104.43
ROUND SS 1-3/8" DIA 303 RANDOM N 1 X 12' R/L 2-3 DAYS	0.00	12.00	UN	12.00	UN	18.99			227.88
ROUND ALU 5/8 6061-T6 * RAL-58 5169 5 X 20' STOCK	36.10	100.00	PI_\$CLB	100.00	PI	1.25			124.89

Date :

Next Page...

Quotation
SOU0116430
Billed to

 DART AEROSPACE LTD
 1270 , ABERDEEN ST.
 HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N° CLI0001056

Date 2018/06/26

Revision N° 0

Prices valid until 2018/07/03

Your Order N°
Processed by Eric Kaehlert

Salesman ERIC

Carrier OUELLE SDV

Credit Terms Net 30 Days

Page 3

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND ALU 1 5/8 6061-T6 * RAL-158 5138 <i>1 X 12' 2-3 DAYS</i>	29.23	12.00	PI_\$CLB	12.00	PI	13.10			157.25
ROUND ALU 2 3/8 6061-T6 NS RAL-238 10133 <i>1 X 12' 2-3 DAYS</i>	62.40	12.00	PI_\$CLB	12.00	JN_\$UN	24.44			293.28
ROUND ALU 3/4 6061-T6 * RAL-34 5157 <i>4 X 20' STOCK</i>	41.84	80.00	PI_\$CLB	80.00	PI	1.55			123.83
ROUND ALU 9/16 6061-T6 * RAL-916 5180 <i>4 X 20' STOCK</i>	23.44	80.00	PI_\$CLB	80.00	PI	1.19			95.15
FLAT ALU 1 X 4 6061-T6 * FAL-14 2532 <i>2 X 12' STOCK</i>	115.20	24.00	PI_\$CLB	24.00	PI	14.21			340.93
FLAT ALU 1 X 2 6061-T6 * FAL-12 2497 <i>1 X 12' STOCK</i>	28.80	12.00	PI_\$CLB	12.00	PI	7.10			85.23
FLAT ALU 1 X 6 6061-T6 * FAL-16 2536 <i>2 X 12' STOCK</i>	169.18	24.00	PI_\$CLB	24.00	PI	20.86			500.68
FLAT ALU 3/8 X 5 6061-T6 * FAL-385 2625 <i>2 X 20' STOCK</i>	88.00	40.00	PI_\$CLB	40.00	PI	7.61			304.39
FLAT ALU 2 X 2 1/2 6061-T6 RANDOM NS FAL-2212 8770 <i>1 X 12' 2-3 DAYS</i>	70.49	12.00	PI_\$CLB	12.00	JN_\$UN	24.49			293.90
FUEL CHARGE FRAIS ENERGETIQUE			\$						3.95

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0116430

Billed to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N° CLI0001056**Date** 2018/06/26**Revision N°** 0**Prices valid until** 2018/07/03**Your Order N°****Processed by** Eric Kaehlert**Salesman** ERIC**Carrier** OUELLE SDV**Credit Terms** Net 30 Days**Page** 4

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount

Total Weight (Lbs) 2 466.37**Important**

This offer is based on the availability, the price of material can change without notice in function of the evolution of the current market prices.

This offer is subject to credit approval.

Approved and Accepted by :

Sub-total 8 403.97

TVH-13 • 1092.52

Date :

Total (\$CAD)

9 496.49

PAL-14486061

TRA-2484

50645

4242

MILL TEST CERTIFICATE	No: 907 Date: 1/11/2018	CERTIFIED SRAC-IQNet ISO 9001:2008 No.10 Valid 2017	Vimetco U.L. UL SLATINA
--------------------------	----------------------------	--	-------------------------------

CUSTOMER : OLBERT METAL SALES LIMITED

CONTRACT/ORDER : 2224
BILL OF DELIVERY : 80347265
TRUCK/CONTAINER : MSCU 5849358MATERIAL : ALUMINIUM PLATES
ALLOY : 5083
LOT/DIMENSIONS (mm) : 70190084 0.25" THX48.5" WDX96.5" LT

TEMPER T651

ACCORDING TO : ASTM B209; AMS 4027N; ANSI H35.2; ASME SB209; AMS-QQ-A-250/11

ACTUAL MECHANICAL PROPERTIES 1 MPa = 1 N/mm² = 0.145 ksi = 0.102 kgf/mm²

LOT / BATCH	CASE	NET WEIGHT lbs	Specified values:			Measured values:			Elong.% 50mm			
			UTS KSI		YTS KSI		min. max.					
			42	35	43	43.5	10					
70190084 637035527	585827,585829	5,524.789	48.6	48.5	43	43.5				15.5	15.5	

ACTUAL CHEMICAL ANALYSIS %

BATCH	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	Al
S37035527	0.66	0.43	0.27	0.09	0.94	0.17	0.009	0.1	0.019	0.011	0.019	REM. REM REM
Avg.	Min.	0.4		0.15		0.8	0.04					REM.
Stand.	Max.	0.8	0.7	0.4	0.15	1.2	0.35	0.05	0.25	0.15	0.05	0.05
Remarks:	Other- Each- Max.: 0.05						Other Total- Max.: 0.15					

REMARKS:

ACCORDING TO: ASTM B209:2014; AMS 4027N:2008; ANSI H35.2:2013; ASME SB209:2015; AMS-QQ-A-250/11:1997
 We hereby certify that the material detailed hereon has been produced and tested according to the requirements of the relevant standards, specification and/or order. Keep in dry conditions, without large temperature variations. The differences between metal and air must not exceed 11 °C. Please follow the recommendations of the Aluminum Association Guide for minimizing water staining, latest edition, for the unloading and storage of the material in your premises before usage. Also we certify that ALRO products complies with REACH legislation no. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals and CLP legislation no. 1272/2008 on classification, labeling and packaging of substances and mixtures.

According to EN 10204:2004 3.1

QUALITY CONTROL DEPT.

Marius Olteanu, Eng.

SC ALRO SA SLATINA
 Punct de lucru Slatina
 Str. Milcov Nr.1, Jud. Olt
 Serv. Inspectia Calității

ALRO S.A. No.118, Pitesti Street Phone: +(40) 0249 436 117; 0249 432 958 alro@alro.ro
 230048-Slatina- ROMANIA Fax: (40) 0249 411 487; 0249 415 932 www.alro.ro

cod 11/PO-051/Rev.4/2012



3430

FESS-2009463042B

50899 15908



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 380647 1 Mail to:
Customer: 007036 016

ship to:

Date: 2/12/2018 Page: 1
Steel: 304
Finish: 2B

Corrosion: ASTM A262/15 A, 180 Bend-OK

Your Order: 4500849627

NAS Order: DS 0013475 01

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED; UNS 30400
ASTM A240V17, A480/16B, A666/15; ASME SA240/17, SA666/17
CHEM ONLY ON FOLLOWING ASTM: A276/17, A479/17, A484/16, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5513J XMRK; MIL-S-5059D AMENDS 3 (X CROWN MEAS)
NACE MR0175/ISO 15156-3:2009 A, MR0103/07, QQS766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900°F, WATER QUENCHED

REMARKS:

Mat'l is free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; RoHS 1 & 2 Compliant
Material is free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mfg. Sys. in Conf. w/ ISO 9001
*Melted & Manufactured in the USA; Mat'l is DWARE Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Places	Commodity Code
02697E A	02697E A		.0360	48.0000	10,360	COIL	3	1	160009446

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323

C H E M I C A L A N A L Y S I S CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
697E	US	.0568	18.0895	.4090	1.6780	.3390	.0719	8.0505	.0305	.0011
		SI %								
		.2505								

M E C H A N I C A L P R O P E R T I E S

Product Id#	Coil #	1" I.D.	0.3" O.D.	20C	.2% YS	20C ELONG	% Hard	Hard	Tail
02697E A	02697E A	F T	103.25	52.54	54.54	87.00	86.50		

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr. KRIS LARK
2/12/2011

3425

FESS-18G 48304 2B

51269

TRA-2855



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K 1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 231861 2 Mail To:
Customer: 007035 501.

Ship To:
Finish: 2B
Date: 10/26/2016 Page: 1
Steel: 804

Corrosion: ASTM A262/15 A/100mmA-OK

Your Order:

781026

NAS order: PN 0069821 14

PRODUCT DESCRIPTION

~~STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED, UNS 30400
ASTM A240/15b, A480/15, A666/15, ASME SA240/15, SA266/15
CHEM ONLY ON FOLLOWING ASME: A276/16, A479/16, A484/15, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA419/13
AMS 5513J XHRX, MIL-S-5050D AMEND3 (X CROWN MEAS)
WACE MR0175/150 15156-3:2009 A, MR0103/07-QQ-S7660-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900°F, WATER QUENCHED~~

REMARKS:
Mat'l 1 is Free of Mercury Contamination. No weld repairs.
PN 10204/2004 3.1, RoHS 1 & 2 Compliant
Material is free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. In Conf. w/IISO 9001
*Melted & Manufactured in the USA; Mat'l is DFM's Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Places	Commodity Code
03088E B	03088E B		.0480	48.0000	20,720	COIL	1	1	74261496

CHEMICAL ANALYSIS CM(Country of Melt)

Lab Accreditation Bureau, ISO/IEC 17025, certificate# L2323
ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C %	CR %	CU %	EN %	NO %	N %	NI %	P %	S %
088E	US	.0450	18.0445	.4925	1.6575	.3220	.0598	8.0190	.0290	.0010

SI %
.2670

MECHANICAL PROPERTIES

Product Id#	Coil #	1" I C "	UTS KSI	20C -2% YS 20C ELONG %	HARD HB	TENSIL Hard	Grain No.
03088E B	03088E B	3" I 2"	100.15	52.12	47.23	88.00	84.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

10/26/2016



#5 +6 51045

CHANDAN STEEL LIMITED
(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

P.O 16502

ADM. OFFICE: 304, SUKH SAGAR, N.W. PATAKAR MARG, MUMBAI - 400 022, INDIA
Tel: 91-22-66290600, Fax: 91-22-66290533/34
Website : www.chandansteel.net
Email : csl@chandansteel.net

ISO 9001:2008 CERTIFICATE NO. 0410101622

WORKS PLOT NO. SI TO 16, 45, 46, 48 & 49/2/4/2

(EXP. AREA) CIDC, UMBREIGAON, & SURVEY NO. 102/2 & 3, VILLAGE:
DEHARI, TALUKA JAMBURGAON, DISTT VALSAD, GUJARAT - 396171
GSTIN - 24AAACC42131ZG

L/c. No.:

L/c. Date:

F624 QC 09A / 02/10/2012

MILL TEST/INSPECTION CERTIFICATE 3.1
ACCORDING TO EN 10204-2: 2005

Consignee				Test Certificate No. : EXP/01152 - 06/2017-2018																		
				Date of Issue : 03.01.2018																		
				P. O. No. : MN5942																		
				SC. No. & Date : 17-18/00447, Dt.08.11.2017																		
				Invoice No. & Date : EXP/01152/2017-18 Dt.03.01.2018																		
PRODUCT DESCRIPTION				LENGTH				Net Wt.														
STAINLESS STEEL ROUND BARS				Ordered		Actual		2965 Lbs.														
				12' - 14'		12' - 14'																
Heat No.	Grade	Size	Tolerance	Process Route																		
1711164	AISI 304L	3/8"	h9	Electric Melting, A.O.D. Refining, Continuous Casting																		
CHEMICAL COMPOSITION (Weight %)																						
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Ti	N											
Min.	-	-	-	-	-	18.00	-	8.00	-	-	-											
Max.	0.030	1.00	2.00	0.045	0.030	20.00	-	12.00	-	-	-											
Results	0.028	0.37	1.57	0.039	0.016	18.55	-	8.04	-	-	-											
MECHANICAL PROPERTIES																						
Specified Value	Yield Strength N/mm ² /MPa (Rp0.2)		Tensile Strength N/mm ² /MPa (Rm)		Elongation %		Reduction of Area %		Hardness (HB)													
Min.	310		620		30		40		-													
Max.	-		-		-		-		-													
Results	615		788		36		65		239-242													
Remarks:																						
1. Cold drawn & Centreless Ground. 2. Solution annealed at 1050 °C. 3. PMI test done 100% & found Satisfactory. 4. Material is free from radio-active contamination. 5. Inter-Granular Corrosion Test as per ASTM A262 - 15 (P.E) satisfactory. 6. The material conforms to ASTM A276-15/A182-15/A479-15 & ASME SA479-13 Specifications. 7. Location of sample - Centre, Direction - Longitudinal, Test Temp - Room Temp, Shape of Test Piece - Round. 8. Marking details - Company Logo, Size, Grade & Heat No. 9. The material is manufactured/melt in Chandan Steel Mill and is of Indian Origin. 10. No welding/weld repairs was performed on this material.																						
BUNDLE NO.: 21 & 22																						



It is hereby certified that the above results are true and correct in every detail and are meeting the requirements of specification & purchase order.

B. S. RAUTELA
MANAGER - QUALITY ASSURANCE

5761

RSS-34303

51361

17303



INSPECTION CERTIFICATE

CUSTOMER : 2A CHIN INVESTMENT LTD., INC.
COMMODITY : Gradeless Steel cold drawn round bar (U)

CERTIFICATE NO: A271280262

DATE NO.: 10602007/2000
SPECIFICATION: 303
DOC. NO.: 1

WALTER WILSON CORP.
TRINITY PLATE
MANUFACTURING & TRADING CO.
22, JIN, AND 11, GAN JANG U,
YOUNG SAN KUN CITY 7700, S. KOREA
TEL: 03-46-61111 FAX: 03-46-6108

LG NO: 1000

DRAFT CONDITION: C0

DATE OF ISSUE: 2017/11/20

Heat No	Thickness (inch)	Pct	Wt	Chemical Composition(wt%)										Mechanical Property					BOTTLE NO	
				Spec	Mn Max	C	Si	P	S	Ni	Cr	Mo	Co	N	Tensile Strength N/mm2	TS N/mm2	EL	DA	HRC	
01009	1/4"	69	125.0	15	100	200	200	150	800	1700					710	535	33	45	97	103
Total:			68	123.9	5.9	24	193	28	220.4	803	1765	17	74	353	603	33	40	95	117165003 117165005	

TEST NUMBER: 14841
MATERIAL NO: 10602007/2000

Spec. to ASME A203-12 Class A.

Rev. A

ASME

ASME B&PV Code

Category II

Material

Type

Grade

Size

Length

Weight

Tensile Strength

Elongation

Impact

Hardness

Brinell

Rockwell

Vickers

Knoop

Microhardness

Microvickers

Microknoop

MicroBrinell

MicroRockwell

MicroVickers

TEST NUMBER: 14841
MATERIAL NO: 10602007/2000

Spec. to ASME A203-12 Class A.

Rev. to ASME A203-12 Class A.

TEST CERTIFICATE

ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
L56591-S	64/1004236/1	100006522856	13.04.2016
		GRADE	
		T-303	HEAT No 101621

BUNDLE NO:
1100489217, 1100489216.

DESCRIPTION

STAINLESS STEEL BRIGHT BARS

COLD DRAWN POLISHED - 2H

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
1/4"	ROUND	ASTM A484	12'(-0/+2")	853	1,719.000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0560	1.960	0.490	0.3000	0.0360	17.400	8.090	0.590	0.500	0.170	0.05800

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
98.0	112.0	38.0	57.0	228.0	7.0

SPECIFICATION:

MATERIAL CONFIRMS TO ASTM A581/A581M-95B (2014) COND A, ASTM A582/A582M-12c1, A 484-13a. AMS 5640U TYPE I, EXCEPT MARKING, QQS-764B COND A.
EXCEPT MARKING, UNS-S-30300. CERTIFIED AS PER EN 10204-3.1.

REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS. MICRO-FREE FROM CONTINOUS CARBIDE NETWORK ON GRAIN BOUNDARIES. MACRO-GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1hr/inch., WATER QUENCHED, WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION. MELT SOURCE:AOD.
MELT & MANUFACTURED: INDIA

We hereby certify that the material described above has been tested and complies with the terms of order/contract.



WORKS INSPECTOR
K R K MURTHY



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Chent, KY 41045-9615
(502) 347-6000

7779N

Certificate: 371391 11
Customer: 007080 003

Date: 1/15/2018 Page: 1
Steel: 303

Finish: CD

Your Order: IN6001

NAS Order: IN 0257533 09 Heat Treat Code: 44,554

Correlation:
Red Ratio: 69.4 : 1

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30300, ASTM A572/12 SW 10204 3.1, ASTM A884/16
AMS 5640V, TYPE 1, QQS-7643 CONDITION A
SOLUTION ANNEAL TEMP 1900F HEM, ASTM F899/12B

REMARKS:

COMPLIES W/ REQUIREMENTS OF DEAR 252.225-7009 ED DIRECTIVE
2011/65/EU-RoHS. ZnP+Mo+CC. NO WELD REPAIR. MELTED AND MIG
IN OSA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Size # Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BJ1762 6	1.0000	1.073	144.00	11	1		

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323

C H E M I C A L A N A L Y S I S CM(Country of Metal) ES(Spain) US(United States) ZA(South Africa) JP(Japan)
NAS Heat 620M

	CH	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
US	.026	.09	17.11	.31	1.92	.268	.036	8.53	.031	
S %	.3350	.37								

MECHANICAL PROPERTIES

Product Id	14	1 HB	.2VS	UTS	RAT	ELong %	Elong % AD
	01	HB No.	KSI	KSI	%		
BJ1762 6	R L	224.0	80.28	106.52	34.99	25.11	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

1/15/2018



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

11384

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Customer: 007205 001

Date: 3/23/2018 Page: 1

Steel: 303

Finish: ST

Corrosion:

Red Ratio: 39.1:1

your Order: 5400384512

NAS Order: PN 0091880 04 Heat Treat Code: 45,745

R E M A R K S :

Round Bar, Annealed, Smooth Turned, Cold Finished.
UNS 30300, ~~ASTM A582~~ 12 EN 10204 3.1, ASTM A484/16
AMS 5640V TYPE A, QOS-764B CONDITION A
SOLUTION ANNEAL TEMP 190OF MIN

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
COMPLIES W/REQUIREMENTS OF DFAR 252.225-7009 EU DIRECTIVE
2011/65/EU-ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BJ3429 4		1.3750		1,259		144.00	4	1
C H E M I C A L A N A L Y S I S CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)								
NAS Heat 7219	CM	C %	CO %	CR %	CU %	MN %	MO %	N %
	US	.057	.11	17.12	.30	1.86	.285	.019
		S %	SI %					
		.3205	.45					

M E C H A N I C A L P R O P E R T I E S

Product Id	1 O C	2 I R	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BJ3429 4	R	L	173.0	48.00	88.00	56.00	43.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr. KRIS LARK
3/23/2018

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K 1Z3
Canada

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
7440 Imperial Road North
Guelph, ON N1K 1Z3

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Customer: 007205 001

Date: 3/23/2018 Page: 1

Cysteomelt 007205 001

Steel: 303

inish: ST

Finish: S

Your Order #: 5400384512

PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished
UNS 30300, ASTM A582/12 EN 10204 3.1, ASTM A484/1
AMS 5640V TYPE 1, QQS-T-764A CONDITION A
SOLVENT ANNEAL, TEMP 1900F MIN

NAS Order: PN 0091880 04 Heat Treat Code: 45-745

REMARKS:

**COMPLIES W/ REQUIREMENTS OF DFAR 252.225-7009 EU DIRECTIVE
2011/65/EU. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION**

卷之三

卷之三

-225-7009 EU DIRECTIVE

卷之三

Product Id	1 d o i c r	HB No.	*2YS KSI	UTS KSI	RA %	EING % 4D
BJ3429 6	R L	173.0	48.00	88.00	56.00	43.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical

卷之三

1

5161 5101 5101 5101

CAN ART
ALUMINUM EXTRUSION L.P.

Material Test Report

Manifest: 337137

Ticket:
5586422

Our Order: 444223 - 1 Cust P.O.: C75538
Die: ES05631 Part: V815342
Alloy Temper: 6061 T6511 Description: .625
Print Date: 3/12/18

R099404

Chemical Composition Range

6061	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other Each	Other Total
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
430453	<u>18021101A</u>	A11	3/6/18	41.73	36.59	11.6

Applicable Specifications: ASTM B221-14 AMS-QQ-A200/8A

Country of Origin: ONTARIO, CANADA

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.


Evan Eng, Quality Assurance Manager

977778

Dwlt

Service Center Metals
5850 Quality Way
Prince George, VA 23875



Jan Dc. 5138

**CERTIFIED INSPECTION REPORT AND TEST RESULTS
FOR EXTRUDED PRODUCTS**



SOLD TO:	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION
Shirto	3593558	RD0011	3/2/2018	ASTM-B221-14 StencilCont.
	CUSTOMER PO	ALLOY/TEMPER	SALESPERSON	SPECIFICATION
	5400386340	6061-T6511	D.Schroeder (Canada)	AMS-QQA-200/8 Rev-A obsolete

Quantity Certified 3,015 lbs 103 pcs CUSTOMER PART NUMBER AL RD00393

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as described, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

This product is RoHS-2, REACH, and DFARS compliant.

SCM is ISO 9001-2015 certified

Mechanical Properties	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation				
Tests	Lot No.							
9 → 6	201711078 201801226	7/28/17 1/26/18	min 46.50 max 51.50	max 56.10 min 53.10	min 43.10 max 48.50	min 52.50 max 50.00	min 12.60 max 13.90	min 19.80 max 18.10

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Each	Total	Melt Source:
001J171217B	201801246	6061	0.74	0.36	0.32	0.10	0.89	0.11	0.04	0.02	97.42	0.05	0.15	United States of America	

Print Date: 3/2/2018	Calvin J. Wiggins, Director of Quality & Technical Services
----------------------	---

SCM products are melted and extruded in the USA

DARL

977786

Service Center Metals
5850 Quality Way
Prince George, VA 23875



Can Do. 10133

**CERTIFIED INSPECTION REPORT AND TEST RESULTS
FOR EXTRUDED PRODUCTS**



OUR ORDER NUMBER	951766
ITEM	1

MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT
367751	RD0017	5/21/2018
CUSTOMER PO	ALLOY / TEMPER	SALESPERSON
5400399709	6061-T6511	D. Schroeder (Canada)
Customer Part Number	Description	Customer Part Number
ALRD00795	Lightning Rod Tite 2.375 +/- .006	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

SCM is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant

Mechanical Properties

Tests	Lot No.
→ 5	201807529

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
5/7/18	min 48.20	max 54.00	min 44.00 max 50.90 min 13.80 max 18.20

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Each	Total	Melt Source:
001E180418A	201807529	6061	0.75	0.37	0.31	0.11	0.89	0.10	0.08	0.03	97.37	0.05	0.15	United States of America	
001J180418A	201807529	6061	0.75	0.37	0.31	0.11	0.89	0.10	0.08	0.03	97.37	0.05	0.15	United States of America	
05031801	201807529	6061	0.75	0.37	0.30	0.09	0.89	0.09	0.06	0.02	97.43	0.05	0.15	United States of America	

SCM products are melted and extruded in the USA

Print Date: 5/21/2018

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 3/4/2018

RAL-34 # 5157

TRA-1723 49072

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : LES ACIERS TRANSBEC (1997) LTEE.

Adresse / Address : 4054 BOUL. LE CORBUSIER, #201
LAVAL, QC
H7L5R2

7020941

bon de commande / Purchase order #: OU-47416

de matrice / Die #: MS 9909 Description : 3/4"ROD

Alliage & trempage / Alloy & temper : 6061 T6 Longueur / Length : 6097 mm

Contrôle / Control #: 85611-1

Coulée / Cast #: 68706

Dureté Rockwell E / Min. requis / Max. permis /
Rockwell E hardness : 91 HRE Min. required : 88 HRE Max. permitted : 100 HRE

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0,20 - 0,60	0,35 Max	0,10 Max	0,10 Max	0,45 - 0,90	0,10 Max	0,10 Max	0,10 Max
6005	0,60 - 0,90	0,35 Max	0,10 Max	0,10 Max	0,40 - 0,60	0,10 Max	0,10 Max	0,10 Max
6005A	0,66 - 0,74	0,14 - 0,28	0,08 - 0,16	0,18 - 0,26	0,46 - 0,54	0,03 Max	0,05 Max	0,05 Max
6061	0,40 - 0,80	0,70 Max	0,15 - 0,40	0,15 Max	0,80 - 1,20	0,04 - 0,35	0,25 Max	0,15 Max
6351	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	--	0,20 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme (ASTM B-221)-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre,
Yours truly,

date : 2017-03-28

Daniel Alfredo Pelleier
Directeur Qualité
Quality Director

RAL 34

Service Center Metals
5850 Quality Way
Prince George, VA 23875



Can Do.

**CERTIFIED INSPECTION REPORT AND TEST RESULTS
FOR EXTRUDED PRODUCTS**



5180

PO. 13471

OUR ORDER NUMBER	929759	7/28	2
------------------	--------	------	---

MANIFEST NUMBER	DATE OF SHIPMENT	SALES PERSON	CERTIFICATION
344426	RD0370	Salesperson	ASTM-B221-14 No Stencil
CUSTOMER PO	ALLOY/ITEM#		SPECIFICATION
VIM-643085	6061-T6511	D.Schroeder (Canada)	AMS-QQA-200/8 Rev-A
Customer Part Number	Description		
Quantity Certified	799 lbs	228 pcs	Lightning Rod Tie 0.562 +.004/- .003

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certificate of analysis, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material meet the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T651 also meet the requirements of 6061-T6.

All aluminum products supplied by Service Center Metals LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

SCM is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant

Mechanical Properties	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
Test Lot No.	9/21/17	min 47.80	max 47.80	min max 15.80

1 201714863

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	I	Al	Others	Each	Total	Melt Source:
101M170825B	201714863	6061	0.76	0.36	0.32	0.10	0.88	0.11	0.05	0.03	97.40	0.05	0.15	United States of America	
103E170530A	201714863	6061	0.74	0.36	0.32	0.11	0.89	0.16	0.05	0.03	97.32	0.05	0.15	United States of America	

SCM products are melted and extruded in the USA

Print Date: 9/21/2017

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 7/2017

2532

FALL-14

50737

Teff - 3598

MILL TEST

BILL TO		SHIP TO		SO DESCRIPTION	
ACIER OUELLETTE				FLAT 4" X 1"	
CERT CODE:		CUSTOMER PART NUMBER		PART DESCRIPTION	
1		105987		FLAT 4" X 1"	
DATE OF SHIPMENT		DATE NUMBER		MANIFEST NO.	
Dec/06/2017		S 4657		382626	
CUST. PO		ALLOY		RDER NO.	
105987		6061		212394 — 2	
CUSTOMER PART NUMBER		TEMPER		MANIFEST NO.	
SO04657		16		382626	
PART DESCRIPTION		SALESMAN		MADE IN CANADA	
FLAT 4" X 1"		HOUSE ACCOUNTS		CERTIFICATION	
				MILL TEST ASTM B221-14	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	Nov/28/2017	42.80	39.80	10.00	86.0, 86.8, 87.6	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

T. Mabai

Tulsiram Mohabir
Quality Control Manager



Quality Manager

We hereby certify that the item listed have been checked and tested in accordance with the specifications noted and have been found to meet all the applicable requirements. Certifications are kept on file for 36 months from the date of purchase and are available for review upon request, referring to ASTM and the PO number.

All profiles, showing material shipped match aluminum alloy as per standard, with chemical analysis to match aluminum alloy standard.

42.3	38.5	11.4	08/05/2017
ULS Strength (psi)	Tensile Strength (ksi)	Elongation % LN 2"	Remarks:

MECHANICAL ANALYSIS:

Si	Mg	Fe	Cu	Mn	Cr	Zn	Ti	Al	Other	KACH	TOTAL	Remarks:
0.609	0.952	0.247	0.272	0.018	0.096	0.011	0.020	97.678	<0.05	<0.10	08/05/2017	

CHEMICAL ANALYSIS: %

Applicable Specifications: ASTM B221 STANDARDS

Date: 10/05/2017

Batch Number: SXR171892

Handle Number: P-17529-007

Length (inch): 240

Product Description: Flat Bar 1" x 2" x 240" 6061-T6 D00227

Alloy & Temper: 6061-T6

Die Number: D00227

Item Code: 1927100

Date of Issue: October 31, 2017

LC No.: DC HMT714466

Shipping Ref No.: 17-2204

PO Number: P-17529

Date: November 17, 2017

MILL TEST CERTIFICATE

Address: MY XUÂN BÌ-CÔNG CÔNG NGHIỆP INDUSTRIAL ZONE, MY XUÂN TOWN, TÂN THÀNH DISTRICT,
BÀ RỊA VŨNG TÀU PROVINCE, VIETNAM

GLOBAL VIETNAM ALUMINUM COMPANY LIMITED

Phone: +84(0)643924953

Phone: +84(0)643924954

Phone: +84(0)643924955

GVA
GLOBAL VIETNAM
ALUMINUM COMPANY



11/5/11

TEA-1643

447 44L-12-V

97778

Dart

17793N

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
 FABRICATED PRODUCTS, LLC
 5205 KAISER DRIVE
 KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:			
4500880929-1		160001379		1.000 X 6.000 PRECISION WIDE BAR			
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:		KAISER LOT NUMBER:	ALLOY:	TEMPER:	
6052812	001	05/04/2018		41096-047	6061	T6511	
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:		DIAM/DAF/THKNS:	WIDTH:	LENGTH:	
2032.000 LB	24.000 PCS	622689				12.000 FT	

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
41096-047	0001	1	46.2	40.8	18.0	RE	96	N/A
41096-047	0001	2	53.0	49.0	19.0	RE	96	N/A
41096-047	0001	3	46.0	40.3	18.0	RE	94	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H49691	.72	.29	.29	.09	1.04	.09	.09	.06	.01	.00	.00	.01	.02

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Plant Serial: 00333104

Kaiser Order Number: 6052812

Line Item: 001

97778

SIGNATURE
ALUMINUM
CANADA INC.**SIGNATURE ALUMINUM CANADA**1850 CLEMENTS RD
PICKERING, ON L1W 3R8

Part

CERTIFICATE OF COMPLIANCE

17783N

Cert Date	Cert No.	Sales Order	Page
03/21/2018	5470742	131282	1
Cust PO	B/L No	Lot	Date
4500868831	036444	896122	03/21/18

Sold To			
Item No.	Part No.	Item Description	Cust Part
001	C-012721-1	144" Mill 6061 T6511	160001392 2"X2.5"
Gross Weight	1,140	LBS	
Net Qty	1,122	LBS	1 PKGS
Specification	AMS-QQ-A-200/8 & ASTM B221-08	Die Desc	

Mechanical Tests:

Tensile MPA / KSI	Yield MPA / KSI	% Elongation	Conductivity	HRE
336.6 / 48.8	313.1 / 45.4	13.7	N/A	93

Chemical Analysis:

Si	Fe	Cu	Mn	Mg	Cr	Zn	Tl	V	Zr
0.62	0.27	0.22	0.05	0.88	0.06	0.05	0.01	0.01	0.00

This Material is Made in Canada

This Material is RoHS Compliant

This will certify that the material described herein has been inspected and tested in accordance with Signature Aluminum Canada's standard sampling and testing procedures or in accordance with the requirements of any specification forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

S. Gooder
Quality Manager
Signature Aluminum Canada Inc

ISO 9001/TS16949 Registered Company

Visit us at www.signaturealum.com

Rev A

SPECIFICATION CONTROL DRAWING

 PURCHASE MATERIAL **6061-T6/T651** ALUMINUM SHEET OR PLATE
SPECIFICATION:
QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR 4027
OR ASTM B209

 PART NUMBER:

M6061T6S|XXX|X|W|WWW|
THK|WIDTH|

WHERE "XXX" = THICKNESS (IN INCHES)
AND "W|WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M6061T6S.063
EG. 3.5" WIDE BY 0.500" THICK PLATE = M6061T6S.500X3.500

 PREFERRED SIZE: XXX BY 4FT BY 8FT FOR SHEET

C	ADD PLATE AND T651 SPEC.	1	M1	17/12/13
B	REFORMAT DWG. ADD B209 SPEC /ZN DB-1).		CP	09.07.13
A	REF FOR 08.020A		RF	01.06.08
	NEW ISSUE		BY	DATE
	REV.	DESCRIPTION		

APPROVED

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M6061T6S
TITLE
CP # 6061-T6 SHEET/PLATE SPEC
COMPONENTS BY DART AEROSPACE LTD
SCALE
NTS
DATE 17.12.13

A	DESIGN	DS	DART AEROSPACE LTD	
	DRAWN	ML	HAWKESBURY, ONTARIO, CANADA	
	CHECKED	NO	DRAWING NO.	
	MFNG. APPR.	JFS	REV. C	
	APPROVED	HS	SHEET 1 OF 1	
	DE APPR	CP	M6061-T6	
	DATE	17.12.13	SCALE	

2010 MAR 13 47
Edu 18-604

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T65.250x6.250
 DATE: 18/07/10

PO / BATCH NO.: P0040358 / 5090358

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 6ft
 QUANTITY INSPECTED: 6ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250"
 THICKNESS RECEIVED: 0.250"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	Y <u>(N)</u>	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	Y <u>(N)</u>	
CORRECT MATERIAL PER M-DRAWING	Y <u>(N)</u>	<u>ASTM B201</u>
CORRECT THICKNESS	Y <u>(N)</u>	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT REF # TO LINK CERT	Y <u>(N)</u>	<u>HT: S37035527</u>
CORRECT MATERIAL IDENTIFICATION	Y <u>(N)</u>	
CORRECT M# ON THE MATERIAL	Y <u>(N)</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL  6061-T6/T62/T651 ALUMINUM SHEET OR PLATE
SPECIFICATION.
QQ-A-250/11 OR ANS-QQ-A-250/11
OR AMS-A-2026LR 4027
OR ASTM B209

PART NUMBER:


M6061T6S | XXX | X | W | WWW |
| THK | | WIDTH |

WHERE "XXX" = THICKNESS (IN INCHES)
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M6061T6S.063

EG. 3.5" WIDE BY 0.500" THICK PLATE = M6061T6S.500X3.500

XXX BY 4FT BY 8FT FOR SHEET

PREFERRED SIZE:


C	ADD PLATE AND T851 SPEC	ML	17 12 13
B	REFORMAT DWG. ADD B209 SPEC (ZN DB-1), REF PAR C8-320A	CP	09 07 13
A	NEW ISSUE	RF	01 06 08
RFV	DESCRIPTION	BY	DATE

APPROVED


2018 MAR 13 40
E&L 18-681

DART AEROSPACE LTD			
	HAWKESBURY, ONTARIO, CANADA	REV C	
	DRAWING NO.		SHEET 1 OF 1
	JFS		SCALE
	HS		NTS
DESIGN	DS	APPROVED	COPYRIGHT 2009 DART AEROSPACE LTD
DRAWN	ML	DE APPR	ALL INFORMATION CONTAINED HEREIN IS UNPUBLISHED PROPRIETARY INFORMATION.
CHECKED	NO	DATE	NOT TO BE COPIED OR DISCLOSED WITHOUT THE EXPRESS WRITTEN CONSENT OF DART AEROSPACE LTD.
MFG. APPR.		17.12.13	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6S250
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090359

MATERIAL CERT REC'D: Y
 QUANTITY RECEIVED: 32st
 QUANTITY INSPECTED: 32st
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 8±0.250"
 THICKNESS RECEIVED: 8±0.250"
 SHEET SIZE ORDERED: 8x4
 SHEET SIZE RECEIVED: 8x4

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<u>Y</u> <u>N</u>	
CORRECT FINISH	<u>Y</u> <u>N</u>	
CORROSION	<u>Y</u> <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> <u>N</u>	<u>ASTM B209</u>
CORRECT THICKNESS	<u>Y</u> <u>N</u>	
PHOTO REQUIRED	<u>Y</u> <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> <u>N</u>	<u>H7.537035527</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> <u>N</u>	
CORRECT M# ON THE MATERIAL	<u>Y</u> <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<u>Y</u> <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<u>Y</u> <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AJ</u>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEXED

SPECIFICATION:

MIL-S-5069
OR AMS 5513 (304)
OR AMS 6522 (316)
OR ASTM A240
OR SAE-SSA230

FINISH:

DART M- NUMBER
IDENTIFIER

FINISH	UNPOLISHED No. 1	1P
UNPOLISHED	No. 2D	2D
UNPOLISHED	No. 2B	NONE
POLISHED	No. 3	3P
POLISHED	No. 4	4P
BUFFED	No. 6	6P
BUFFED	No. 7	7P
BUFFED	No. 8	8P

PART NUMBER:

M304S TT | GA #P
(GA)

WHERE "TT" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM THICK.	THICKNESS RANGE (IN.)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.08375	0.084 - 0.098
12	0.09375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2566	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED
2015 FEB 04
ECD 15-122 47

D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (2N, CB) AND SAMPLE OF MATERIAL PIN WITH FINISH OTHER THAN 2B.	NB	17.09.20
B	REFORMATTED DWG. ADD ASTMA36H-SPLCS (ZN D8-1) ADD GAUGE REF (CB), REF PAR 08-020/A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV	DESCRIPTION	BY	DATE
	DART AEROSPACE LTD		
	HAWKESBURY, ONTARIO, CANADA		
D	DRAWN	AJS	DRAWING NO
	CHECKED		REV C
	MFG. APPR.		M304S
	APPROVED		TITLE
	DE APPR.		304/316 SS SHEET
DATE	15.01.06		N/T/S

Copyright © 2001 by DART AEROSPACE LTD

Printed on 10/11/2001 at 10:45 AM

File Name: M304S.DWG

Page: 1 of 1

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 3045206A
 DATE: 18/07/10

PO / BATCH NO.: P0010358/5090402

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 256sf
 QUANTITY INSPECTED: 256sf
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040"
 THICKNESS RECEIVED: .040"
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	Y <u>(N)</u>	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	Y <u>(N)</u>	
CORRECT MATERIAL PER M-DRAWING	Y <u>(N)</u>	<u>ASCM A240</u>
CORRECT THICKNESS	Y <u>(N)</u>	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT REF # TO LINK CERT	Y <u>(N)</u>	<u>HT: 697E</u>
CORRECT MATERIAL IDENTIFICATION	Y <u>(N)</u>	
CORRECT M# ON THE MATERIAL	Y <u>(N)</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNNEALED

SPECIFICATION:
MIL-S-6059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240

FINISH:

FINISH IDENTIFIER	DART M NUMBER
UNPOLISHED No. 1	1P
UNPOLISHED No. 2D	2D
UNPOLISHED No. 2B	NONE
POLISHED No. 3	3P
POLISHED No. 4	4P
BUFFED No. 6	6P
BUFFED No. 7	7P
BUFFED No. 8	8P

PART NUMBER:

M304S TT [GA] #P
[GA]

WHERE "TT" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.08625	0.084 - 0.098
12	0.09375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.203125	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.276
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.326

RELEASED
2015 FEB 04
EGL 15-122 67

D	ADDED GAUGES 0-7.	AS	15.01.06
C	DEFINED FINISH OPTION (IN GR) AND EXAMPLE OF MATERIAL PAN	MR	12.09.20
B	REFORMAT (WNG, ADD ASM/ASM-SPEC'S (2N D8-11) ADD GAUGE REF (C8-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV	DESCRIPTION	REV	DATE
D	DART AEROSPACE LTD		
	HAWKESBURY, ONTARIO, CANADA		
D	DRAWING NO		REV.D
	M304S		SHEET 1 OF 1
D	CHECKED		SCALE
			NTS
D	APPROVED		
D	DE APPR.		
D	DATE	15.01.06	

COPYRIGHT © 2015 BY DART AEROSPACE LTD

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S18GA
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090403

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 192sf
 QUANTITY INSPECTED: 192sf
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.050"
 THICKNESS RECEIVED: 0.050"
 SHEET SIZE ORDERED: 4x8'
 SHEET SIZE RECEIVED: 4x8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> (N)	
CORRECT FINISH	<input checked="" type="checkbox"/> (Y) N	
CORROSION	<input checked="" type="checkbox"/> (Y) N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> (Y) N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> (Y) N	<i>ASTM A290</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/> (Y) N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> (Y) (N)	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> (Y) N	<i>HT.088E</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> (Y) N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> (Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AJ</u> <small>DHO S G</small>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: ASTM A30 /316 SS ROUND BAR
NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION:
PART NUMBER.

ASTM A276
M304R(D,DD)
DIA.

WHERE "D,DD" = DIAMETER IN INCHES
E.G. 0.75" ROUND BAR = M304R0.750

RELEASED
07/05/25/14

B	REFORMATTED Dwg. ADD SPEC'S (ZIN D6-1) REF PAPR 08-200A	CP	09-07-15
A	NEW ISSUE	AJS	08-03-03
REV	DESCRIPTION	BY	DATE
DESIGN	<u>A/S</u>	<u>DART AEROSPACE LTD</u>	
DRAWN	<u>A</u>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<u>A</u>	DRAWING NO.	REV. B
MFG. APPR	<u>A</u>	<u>M304R</u>	SHEET 1 OF 1
APPROVED	<u>A</u>	TITLE	SCALE
DE APPR	<u>A</u>	304/316 ROUND BAR	NTS
DATE	09.07.15	Copyright © 2000 by DART AEROSPACE LTD	

4

5

6

7

8

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304LD.375
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090360

MATERIAL CERT REC'D: Kes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375"
 THICKNESS RECEIVED: 0.375"
 SHEET SIZE ORDERED: -
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<u>Y</u> <u>N</u>	
CORRECT FINISH	<u>Y</u> <u>N</u>	
CORROSION	<u>Y</u> <u>N</u>	
CORRECT GRAIN DIRECTION	<u>X</u> <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> <u>N</u>	<u>ASTM A276</u>
CORRECT THICKNESS	<u>Y</u> <u>N</u>	
PHOTO REQUIRED	<u>Y</u> <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> <u>N</u>	<u>H7: 1711164</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> <u>N</u>	
CORRECT M# ON THE MATERIAL	<u>Y</u> <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<u>Y</u> <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<u>Y</u> <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> <u>S</u> <u>AS</u>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:
PART NUMBER:

ASTM A582
M303RID DDD
DIA.

WHERE "D.DD" = DIAMETER IN INCHES
EG: 0.75" ROUND BAR = M303R0.750

RELEASED BY
2010-07-02
JW

B	REFONUMAT DRAG ADD. SPEC'S (ZN DB-1).	CP	10.01.05
A	REF PAR (08-020A)	DS	01.12.20
REV	NEW ISSUE	BY	DATE
DESIGN	DART AEROSPACE LTD		
DRAWN	HAWKESBURY, ONTARIO, CANADA		
CHECKED	DRAWING NO		
MFG. APPR	M303R		
APPROVED	TITLE		
DE APPR	3033 ROUND BAR		
DATE	10.01.05		

A
REV. B
SHEET 1 OF 1
SCALE
NIS

2

4

5

8

9

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303R0.750
 DATE: 18/07/10

PO / BATCH NO.: P040358/5290361

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 96ft
 QUANTITY INSPECTED: 96ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750"
 THICKNESS RECEIVED: 0.750"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	ASTM SB2
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	Y	N	HT: SJ049
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 1B INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:
PART NUMBER:

ASTM A582

M303RID,DDD

DIA.

WHERE "D,DDD" = DIAMETER IN INCHES
E.G. 0.75" ROUND BAR = M303R0.750

AB

RELEASED
R 2010-07-02
JW

B	REFINERAT DIAG ADD SPECS (ZN D8-1), REF PAR 08-020A NEW ISSUE	CP	10.01.05
A	RFV	DESCRIPTION	DS 01 12 20
DESIGN		DART AEROSPACE LTD	REV. B
DRAWN		HAWKESBURY, ONTARIO, CANADA	SHEET 1 OF 1
CHECKED		DRAWING NO	SCALE
MFG. APPR		M303R	NIS
APPROVED		TITLE	
DE APPR		303 ROUND BAR	
DATE	10.01.05	Copyright © 2001 by DART AEROSPACE LTD	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303K0.250
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090362

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 36ft
 QUANTITY INSPECTED: 36ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250"
 THICKNESS RECEIVED: 0.250"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	<u>(Y)</u> N	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u> N	<i>ASTM A582</i>
CORRECT THICKNESS	<u>(Y)</u> N	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u> N	<i>HT: 101621</i>
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u> N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>AT</u> <u>8</u>	SIGNED OFF BY:	
DATE:	<u>18/07/10</u> <u>8:05</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:
PART NUMBER:

/B

ASTM A582

M303R(D) DIA.

WHERE "D,DDD" = DIAMETER IN INCHES
EG. 0.75" ROUND BAR = M303R0.750

RELEASER
R 2010-02-02

B	REFORMAT DWG. ADD SPECS (ZN D8-1), REF PAR 08-02A	CP	10.01.05
A	NEW ISSUE	DS	01/12/20
REV	BY	SY	DATE
DESIGN	DRAWN	DART AEROSPACE LTD	
DRAWN	CHECKED	HAWKESBURY, ONTARIO, CANADA	
CHECKED	MFG. APPR	DRAWING NO	REV. B
MFG. APPR	APPROVED	M303R	SHEET OF 1
APPROVED	DE APPR.	TITLE	N/A
DE APPR.	DATE	303 ROUND BAR	NTS
DATE	10.01.05	COPYRIGHT © 2001 BY DART AEROSPACE LTD	

2

3

4

5

6

7

8

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303R1.000
 DATE: 18/07/10

PO / BATCH NO.: P0040358/10040363

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.00
 THICKNESS RECEIVED: 1.00
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	Y <u>N</u>	ASTM A582
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	Y <u>N</u>	UT: 620M
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	
CORRECT M# ON THE MATERIAL	Y <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AJ</u>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 R1.375
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090364

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12.5"
 QUANTITY INSPECTED: 12.5"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.375"
 THICKNESS RECEIVED: 1.375"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASME A582
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HT: 721P
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>A1</u>	SIGNED OFF BY:	
DATE:	<u>18/07/10</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 L0.625
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090265

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 100 ft
 QUANTITY INSPECTED: 100 ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.625"
 THICKNESS RECEIVED: 0.625"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>A</u> <small>9 SAS</small>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: M6061-T6/T651/T651-T62 ALUMINUM ROUND BAR

SPECIFICATION:

QQ-A-225/B OR AMS-QQ-A-225/B OR QQ-A-200/6 OR AMS-QQA-4117/4 OR QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221 (OR AMS 4160)

PART NUMBER:

M6061-T6R(DDD)
Dia.

WHERE "D:DDD" = DIAMETER IN INCHES

E.G. 5/8" ROUND BAR = M6061-T6R0.625

RELEASED
R 2009-08-09
[Signature]

B	REFORMATTED Dwg ADD B218 B221 SPEC (7N DR-1), REF PAR 04-020A	CP 09-07-13
A	NEW ISSUE	CS 01-08-08
REV	DESCRIPTION	HY DALL
	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
	DRAWING NO. M6061-T6R	REV B
	TITLE 6061-T6 ROUND BAR	SHEET 1 OF 1 NTS
	DATE 09.07.13	SCALE

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6R1.625
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090366

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.625"
 THICKNESS RECEIVED: 1.625"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	AMS-QQ-A-2088
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HT: 201801246
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	<u>AJ</u> <small>DAS</small> <small>9</small>	SIGNED OFF BY: _____
DATE:	<u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061/T6/T651/T6511/T62 ALUMINUM ROUND BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4 1284115/4116)
CR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)

OR ASTM B211 OR ASTM B221

PART NINETY-EIGHT

WHERE "D DOD" = DIAMETER IN INCHES
 EG. 5/8" ROUND BAR = M6061T6B0 625

E.G. 5/8" ROUND BAR = M6061T6B0 625

RELEASED
R 2009-08-09
[Signature]

117

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6R2.375
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090367

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.375"
 THICKNESS RECEIVED: 2.375"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	Y <u>(Y)</u> N	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	Y <u>(Y)</u> N	
CORRECT MATERIAL PER M-DRAWING	Y <u>(Y)</u> N	<u>ASTM B221</u>
CORRECT THICKNESS	Y <u>(Y)</u> N	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT REF # TO LINK CERT	Y <u>(Y)</u> N	<u>H7:201807529</u>
CORRECT MATERIAL IDENTIFICATION	Y <u>(Y)</u> N	
CORRECT M# ON THE MATERIAL	Y <u>(Y)</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>A. Ratto</u> <small>DAS</small>	SIGNED OFF BY:	
DATE:	<u>18/07/10</u> <small>S-89</small>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061-T6/T651/T651/T62 ALUMINUM ROUND BAR

SPECIFICATION:

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/416)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)

OR ASTM B211 OR ASTM B221

M6061-T6RID DDD

DIA.

WHERE "D.DDD" = DIAMETER IN INCHES
E.G. 5/8" ROUND BAR = M6061-T6R0.625

△B

RELEASED
2009-09-09
[Signature]

B	REFORMATTED DWG ADD B211A/B221 SPEC. (ZN DB-1)	C/P	09-07-13
A	REF PAR C&C70A	DS	01-06-08
	NEW ISSUE		
REV	DESCRIPTION	HW	DATE
DART AEROSPACE LTD			
HAWKSBURY, ONTARIO CANADA			
DRAWING NO. M6061T6R			
REV. B EET 1 OF 1			
TITLE 6061-T6 ROUND BAR			
SCALE NTS			
COPYRIGHT 2001 BY DART AEROSPACE LTD			
No part of this drawing may be reproduced without written permission from the author.			
DATE 09.07.13			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6R0.750
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090368

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 80ft
 QUANTITY INSPECTED: 80ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750"
 THICKNESS RECEIVED: 0.750"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM B221
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HT:69706
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	<u>AT</u>	SIGNED OFF BY: _____
DATE:	<u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL **6061-T6** T651/T651-16631162 ALUMINUM ROUND BAR
SPECIFICATION **QQ-A-2258 OR AMS-QQ-A-2258A (OR) RAMS 41174-1284115/4116)
OR QCA-2008 OR QCA-2008 (OR) RAMS 41174-1284115/4116
OR ASTM B211 OR ASTM B211 (OR) RAMS 41460)**

PART NUMBER:

M60811T6B1D 00001

WHERE "D.DOD" = DIAMETER IN INCHES
 EG. 5/8" ROUND BAR = M60611780625

PURCHASE MATERIAL: 6061-T6761/T6511/T6521 762 ALUMINUM ROUND BAR
SPECIFICATION: QQ-A-225B OR AMS-QQ-A-225B; QLRQ AMS 411741284115(4116)
OR ASTM B208 OR A208/A208B OR ASTM B21 OR ASTM B22

PART NUMBER:

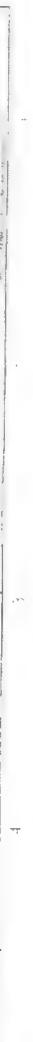
M60811T6B1D 00001

PURCHASE MATERIAL: 6061-T6761/T6511/T6521 762 ALUMINUM ROUND BAR
SPECIFICATION: QQ-A-225B OR AMS-QQ-A-225B; QLRQ AMS 411741284115(4116)
OR ASTM B208 OR A208/A208B OR ASTM B21 OR ASTM B22

PART NUMBER:

M60811T6B1D 00001

RELEASED
R 2008-09-09
[Signature]



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606176L0.563
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090369

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 84'
 QUANTITY INSPECTED: 84'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .563"
 THICKNESS RECEIVED: .563"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	AMS-QQ-A-20018
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	Y	N	H1.01M170825B, 036170530A
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061/T6/T651/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-226/8 OR AMS-QQ-A-226/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B | T TTT X | WW WWW |
THICK | WIDTH |

WHERE "T, TTT" = THICKNESS IN INCHES
"WW WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000



PURCHASE MATERIAL: 6061/T6/T651/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-226/8 OR AMS-QQ-A-226/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B | T TTT X | WW WWW |
THICK | WIDTH |

WHERE "T, TTT" = THICKNESS IN INCHES
"WW WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
2009-05-02
[Signature]

B	REMOVE QQ-A-226/8 OPTION REFORMAT NOT'S AND ASTM B211/B221 (2N D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV		BY	DATE
DESIGN	DS	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV B
MFG APPR		M6061T6B	SEE 1.1 OF 1
APPROVED		TITLE	SCALE
DE APPR		6061-T6 BAR	NTS
DATE	09.07.13	COPYRIGHT © 2001 BY DART AEROSPACE LTD PRINTED ON 09/07/2001 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE COPIED, REPRODUCED, OR USED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF DART AEROSPACE LTD.	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B1.000X04.000
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090370

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 36ft 40ft
 QUANTITY INSPECTED: 36ft 40ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000"
 THICKNESS RECEIVED: 1.000"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/>	N <input type="radio"/>
CORRECT FINISH	Y <input checked="" type="radio"/>	N <input type="radio"/>
CORROSION	Y <input checked="" type="radio"/>	N <input type="radio"/>
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/>	N <input type="radio"/>
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/>	N <input type="radio"/> <u>ASTM B221</u>
CORRECT THICKNESS	Y <input checked="" type="radio"/>	N <input type="radio"/>
PHOTO REQUIRED	Y <input checked="" type="radio"/>	N <input type="radio"/>
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/>	N <input type="radio"/> <u>UT: 3B 7163</u>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/>	N <input type="radio"/>
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/>	N <input type="radio"/>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/>	N <input type="radio"/>
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/>	N <input type="radio"/>

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6511/T62 ALUMINUM BAR
SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/1120/4115/4116)
OR QQ-A-200/8 OR AMS-QA-200/8 (OR AMS 4160)
OR ASTM B211 OR ASIM B22

PART NUMBER:

M6061T6B	T.TTT	X	WWWWWW
	THICK		WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WWWWWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000



RELEASED
2009-05-02
[Signature]

B	REMOVE QQ-A-225/11 OPTION, REFORMAT NOTES, ADD ASTM B211(B22) (ZN 7-1)	C/P	09-07-13
A	NEW ISSUE	DS	01-06-08
REV	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	M6061T6B	SHEET 1 OF 1
APPROVED	<i>[Signature]</i>	SCALE	NTS
DE APPR	<i>[Signature]</i>	6061-T6 BAR	
DATE	09.07.13	© 2009 DART AEROSPACE LTD. ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD. AND IS TO BE KEPT CONFIDENTIAL. IT IS NOT TO BE COPIED, DISSEMINATED, OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS ISSUED.	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061-T6B1.00x02.00
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090371

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.00"
 THICKNESS RECEIVED: 1.00"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	<u>Y</u> N	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> N	<u>ASTM B221</u>
CORRECT THICKNESS	<u>Y</u> N	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> N	<u>UT:5xF171812</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> N	
CORRECT M# ON THE MATERIAL	<u>Y</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> <u>9</u>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061-T6/T651/T6510/T651-T62 ALUMINUM BAR

SPECIFICATION:
QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117A/28A/4115/4116)
OR QQ-A-2008 OR AMS-QQ-A-2008 (OR AMS 4160)
OR ASTM B211 OR
(ASTM B22)



PART NUMBER:

M6061T6B| T.TTT | X | WWW.WWW/|
| THICK | | WIDTH |

WHERE "T.TTT" = THICKNESS IN INCHES

"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
R 2009-08-02
[Signature]

B	REMOVE QQ-A-26041 OPTION, REFORMAT NOTES, ADD ASTM B211(B22) (22A 07-1)	CP	09 07 13
A	NEW ISSUE	DS	01 06 08
REV	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD	A
DRAWN	<i>AS</i>	HAWKESBURY ONTARIO CANADA	
CHECKED	<i>AS</i>	DRAWING NO.	REV B
MFG. APPR.	<i>AS</i>	M6061T6B	SHEET 1 OF 1
APPROVED	<i>AS</i>	TITLE	SCALE
DE APPR.	<i>AS</i>	6061-T6 BAR	NTS
DATE	09.07.13		

6

7

8

2

3

4

5

6

7

8

9

10

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606176B1.000x06.000
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090372

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 60'
 QUANTITY INSPECTED: 60'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.00"
 THICKNESS RECEIVED: 1.000"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N <input type="radio"/>	ASTM B221
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	UT: 41096-047
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	<u>AJ</u> <small>DAS 9</small>	SIGNED OFF BY: _____
DATE:	<u>18/07/10</u> <small>9-89</small>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061-T6/T651/T651Q/T651 T62 ALUMINUM BAR

SPECIFICATION: QQ-A-2258 OR AMS-~~QQ-A-2258~~ LOR AMS 4117/4128/4115/416
OR QQ-A-2008 OR ~~AMS-2008~~ LOR AMS 4160
OR ASTM B211 OR ~~ASTM-B211~~



PART NUMBER:

M6061T6B	T.TTT	X	WW WWW
	THICK		WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES

"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1000X12.000

RELEASED
2009-05-02
[Signature]

A		B		C	
		DESIGN	DS	DART AEROSPACE LTD	
		DRAWN	<i>BS</i> <th data-cs="2" data-kind="parent">HAWKESBURY ONTARIO CANADA</th> <th data-kind="ghost"></th>	HAWKESBURY ONTARIO CANADA	
REV.		CHECKED	<i>BS</i>	DRAWING NO.	REV. B
		MFG. APPR.	<i>BS</i>	M6061T6B	SHEET 1 OF 1
		APPROVED	<i>BS</i>	TITLE	SCALE
		DE APPR.	<i>BS</i>	6061-T6 BAR	NTS
		DATE	09.07.13		

1. DRAFTS ARE THE PROPERTY OF DART AEROSPACE LTD AND ARE TO BE RETURNED AND DESTROYED UPON REQUEST. 2. THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT A CONTRACTUAL DOCUMENT. 3. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD AND IS NOT TO BE COPIED OR REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF DART AEROSPACE LTD.

4

5

6

7

8

1

2

3

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B1000x2500
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090373

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.000"
 THICKNESS RECEIVED: 2.000"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	<u>Y</u>	<u>N</u>	
CORRECT FINISH	<u>Y</u>	<u>N</u>	
CORROSION	<u>Y</u>	<u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u>	<u>N</u>	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u>	<u>N</u>	<u>AMS-2A-A-2028</u>
CORRECT THICKNESS	<u>Y</u>	<u>N</u>	
PHOTO REQUIRED	<u>Y</u>	<u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u>	<u>N</u>	<u>H1:5470742</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u>	<u>N</u>	
CORRECT M# ON THE MATERIAL	<u>Y</u>	<u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<u>Y</u>	<u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<u>Y</u>	<u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>AJ</u> <small>DAS 8 9-89</small>	SIGNED OFF BY:	
DATE:	<u>18/07/10</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in